

Attorney Docket Number O-2000.605 US

*P.J.O. 11/26/04*  
In the Claims

Claims 1 - 8 Cancelled

9. (Currently Amended) An isolated and purified Lawsonia intracellularis outer membrane protein, said protein being comprising the amino acid sequence as set forth in immunoreactive with antisera to SEQ ID NO: 2 and having a molecular weight of about 37 kD as determined by sodium dodecyl sulphate polyacrylamide gel electrophoresis.

Claims 10 - 12 Cancelled

13. (Previously presented) The Lawsonia intracellularis Outer Membrane Protein according to claim 9, comprising SEQ ID NO: 2.

Claims 14 - 17 Cancelled

2 18. (Currently amended) An immunogenic composition comprising an immunogenically effective amount of a the protein according to claim 9, and a pharmaceutically acceptable carrier.

3 19. (Previously amended) An immunogenic composition according to claim 18, comprising an adjuvant.  
*2 further*

Attorney Docket Number U-2000.605 US

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20. (Previously amend d) The immunogenic composition according to claim 18, comprising at least one antigen in addition to the *Lawsonia intracellularis* outer membrane protein derived from a virus or micro-organism pathogenic to pigs or genetic information encoding said antigen.

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21. (Previously amended) The immunogenic composition according to claim 20, whercin said virus or micro-organism pathogenic to pigs is selected from the group consisting of *Pseudorabies virus*, *Porcine influenza virus*, *Porcine parvo virus*, *Transmissible gastro-enteritis virus*, *Rotavirus*, *Escherichia coli*, *Erysipelo rhusiopathiae*, *Bordetella bronchiseptica*, *Salmonella cholerasuis*, *Haemophilus parasuis*, *Pasteurella multocida*, *Streptococcus suis*, *Mycoplasma hyopneumoniae* and *Actinobacillus pleuropneumoniae*.

Claims 22 - 37 Cancelled

38. (Currently amended) An immunogenic composition for combating *Lawsonia intracellularis* infection comprising a the protein according to claim 9.